[*Org. Lett.*, **2**, 331-333 (2000)] [Lab. of Pharm. Synthetic Chemistry]

Oxidative Photodecarboxylation of α–Hydroxycarboxylic Acids and Phenylacetic Acid Derivatives with FSM-16.

Akichika ITOH,* Tomohiro KODAMA, Shinji INAGAKI and Yukio MASAKI

FSM-16, a mesoporous silica, was found to catalyze oxidative photo-decarboxylation of α-hydroxy carboxylic acid and phenyl acetic acid derivatives to afford the corresponding carbonyl compounds. Furthermore, FSM-16 proved to be re-usable by re-calcination at 450°C after the reaction.

[*Synlett*, 406-408 (2000)] [Lab. of Pharm. Synthetic Chemistry]

Mannich-Type Reaction Catalyzed by Dicyanoketene Ethylene Acetal and the Related Polymer-Supported π–Acid: Aldimine-Selective Reactions in the Coexistence of Aldehydes.

Nobuyuki TANAKA and Yukio MASAKI*

Mannich-type reaction of aldimines and enolsilyl ethers proceeded with excellent aldimine-selectivity in the coexistence of aldehydes by means of dicyanoketene ethylene acetal (DCKEA) and the related polymer-supported dicyanoketene acetal as a recyclable π-acid catalyst.

[*Chem. Lett.*, 542-543 (2000)] [Lab. of Pharm. Synthetic Chemistry]

New Synthetic Method of Imides through Oxidative Photodecarboxylation Reaction of *N*-Protected α–Amino Acids with FSM-16.

Akichika ITOH,* Tomohiro KODAMA, Shinji INAGAKI and Yukio MASAKI

FSM-16, a mesoporous silica, was found to promote the oxidative photodecarboxylation of N-acyl-protected α-amino acids in hexane to afford the corresponding imides.

[*Chem. Pharm. Bull.*, **48**, 1010-1016 (2000)] [Lab. of Pharm. Synthetic Chemistry]

Polymer-Supported Dicyanoketene Acetal as a π–Acid Catalyst: Monothioacetalization and Carbon-Carbon Bond Formation of Acetals.

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Polymeric dicyanoketene acetals (DCKA) were synthesized by copolymerization of styrene and divinylbenzene or ethylene glycol dimethacrylate. These novel polymers could be used successfully as recyclable π-acid catalysts in monothioacetalization or carbon-carbon bond forming reaction of acetals.